Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Book Notes from “Environmental Science” by Chiras

10.2 Understanding Soils (169-171)

10.3 Barriers to a Sustainable Agricultural System (171-176)

10.4 Building a Sustainable Agricultural System (176-184 Stop after “crop rotation”)

Read and answer the following questions:

1. What percentage of the world’s population is malnourished? What are the short and long-range effects of malnutrition? (3 part question)
2. What is desertification, what factors create it, and how can it be prevented? (3 part question)
3. Describe waterlogging and salinization of soils. How can each of them be prevented? (4 part question)

Read and answer two of the following questions:

1. Using your knowledge of environmental issues and agriculture and your critical thinking skills, analyze the following statement: “Hunger is not an environmental issue.”
2. Critically analyze this statement: “Soil erosion control is too expensive. We can’t afford to pay for it because our crops don’t bring in enough money.”
3. Critically analyze this statement: “Technology can solve all of our food problems, so there is no need to slow population growth.”

To “critically analyze” means to discuss both the right and wrong aspects of the statement and come to a decision supported by evidence (probably from the text).

You should use a word processor to work on these. You will select one of the “critical analysis” questions (#4,5, or 6) to develop into a full essay that will be due next week. In that case, you will be using internet sources to support and defend your decision.

Attach this paper to your work.